DX6i / PPJoy / SmartPropoPlus / ClearView RC

The purpose of this document is to explain how to use a DX6i remote with a very usable, very customizable, budget friendly ClearView Flight Simulator. This configuration may work with other flight simulators however this has only been tested using ClearView for both Helicopters and Airplanes.

HARDWARE

1. Spektrum DX6i Remote
2. Male to Male Audio Cable
3. Dell OPTIPLEX 745 with onboard Audio Input

SOFTWARE

Below is a list of software needed. You can download the appropriate software from the listed links.

1. PPJoy
2. SmartPropoPlus
3. **ClearView**
4. **Windows 7 32bit (I am sure Windows XP, Vista, and 7 will all work no matter 32 or 64)**

CONFIGURE DX6i

I created 1 profile on my remote which seems to fly both the airplane and the helicopters perfectly. I labeled it **SIM** and set the model to an AirPlane. I left all settings completely default except for the **FLAPS** they are configured like the following
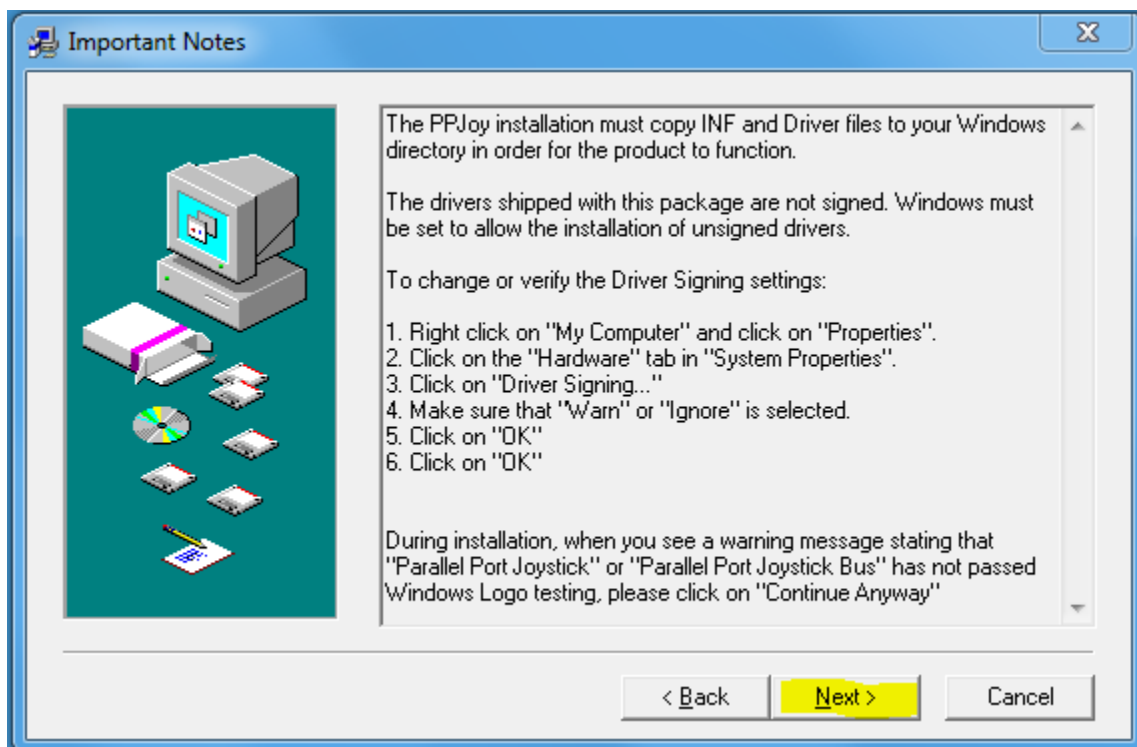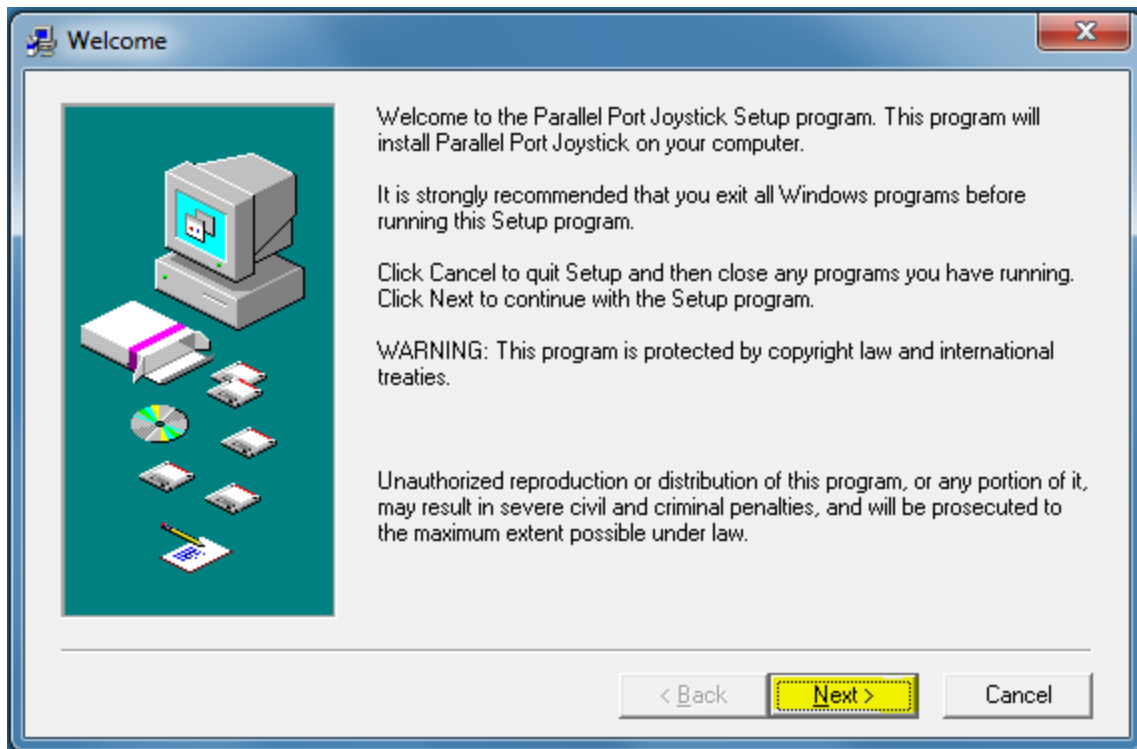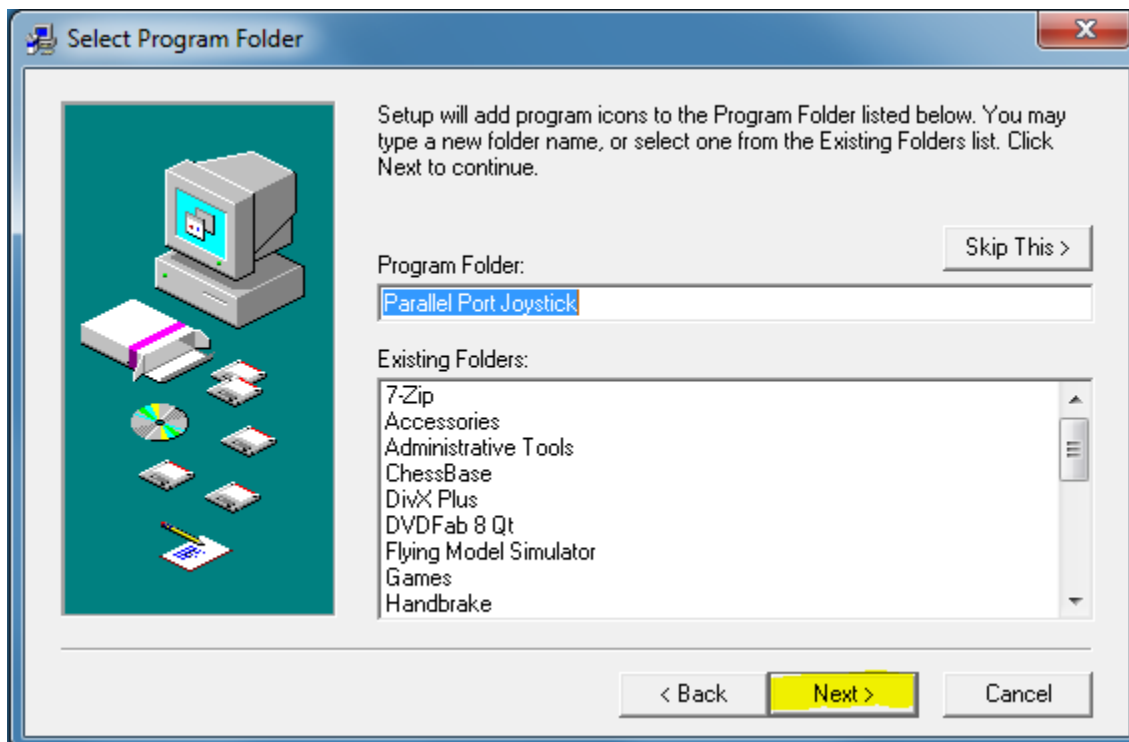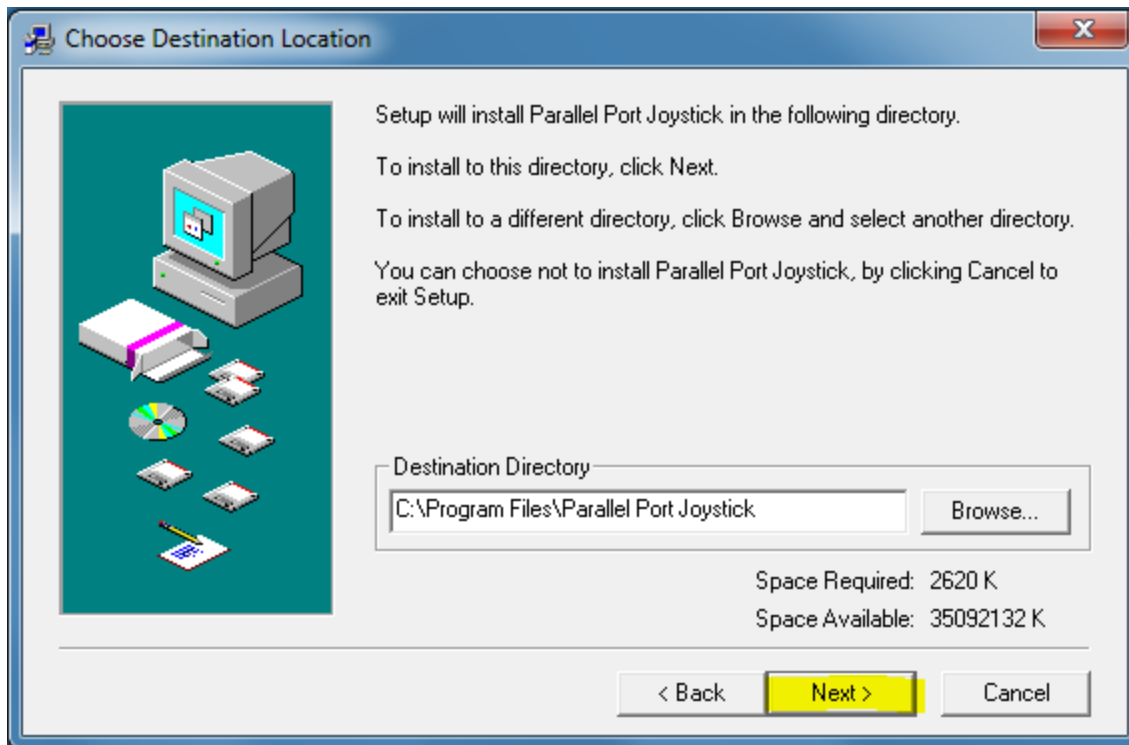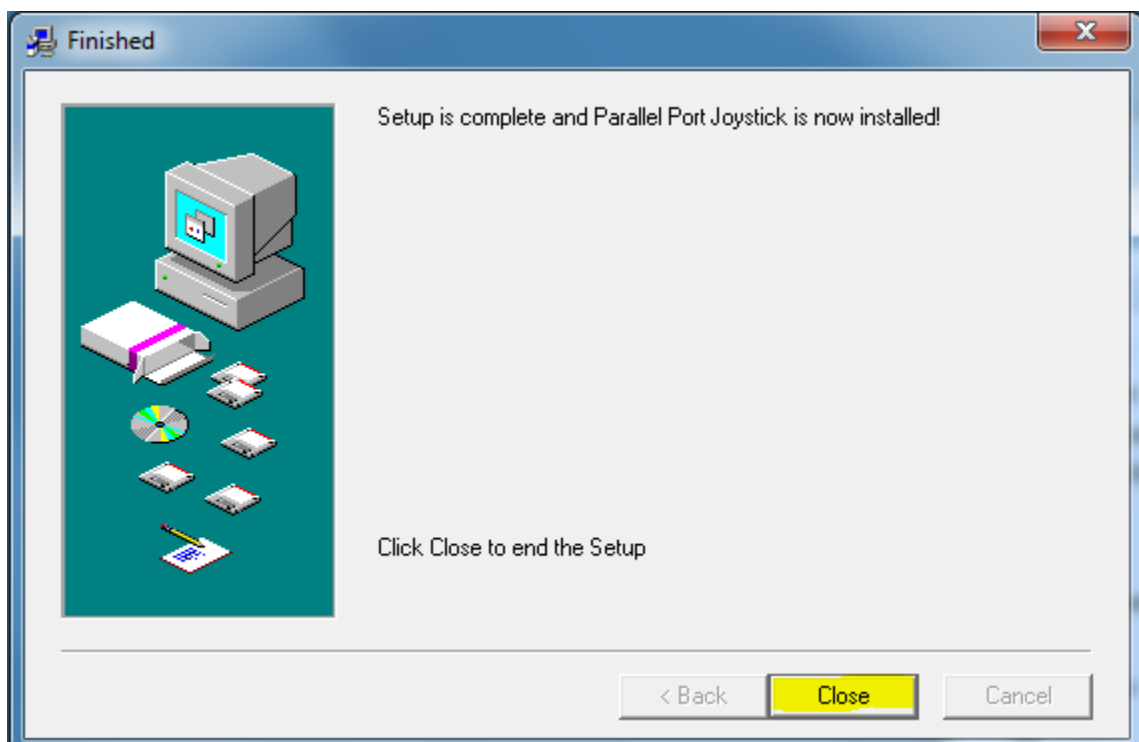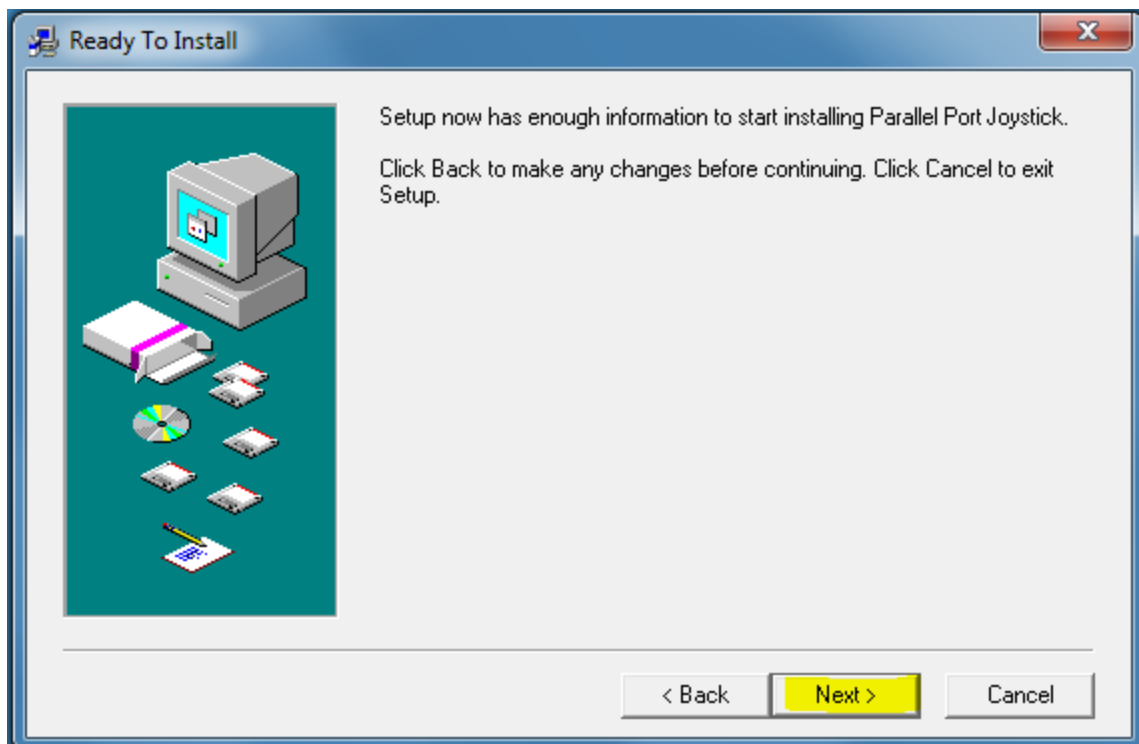
NORM ↑100
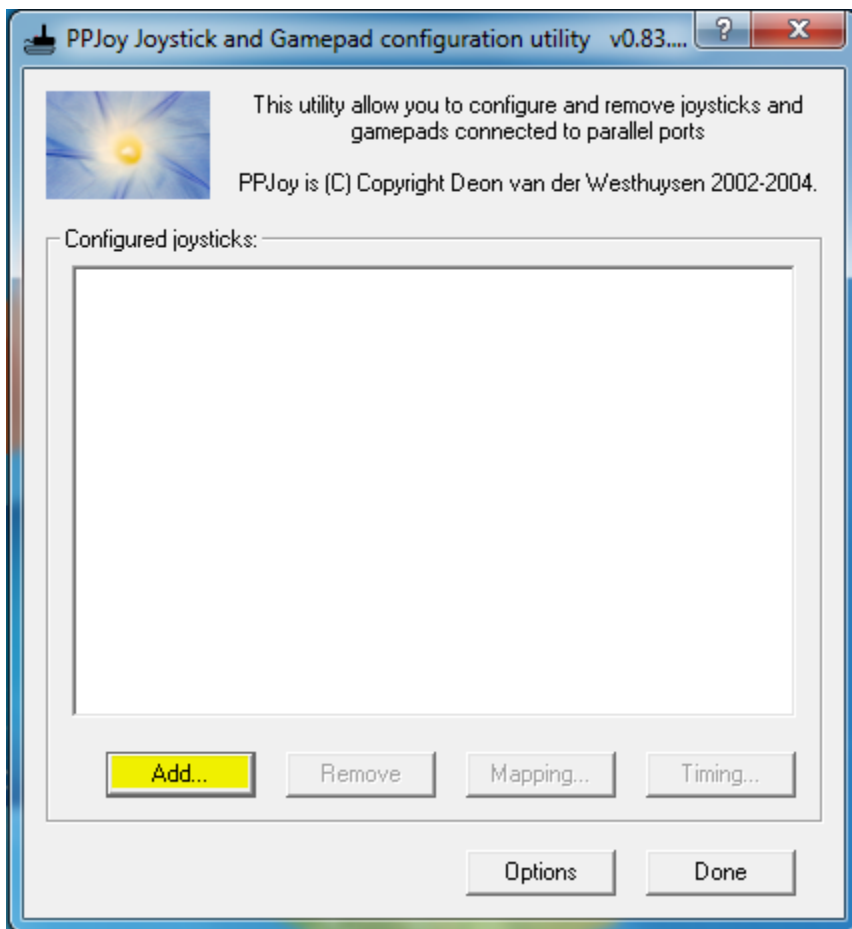LAND ↓100

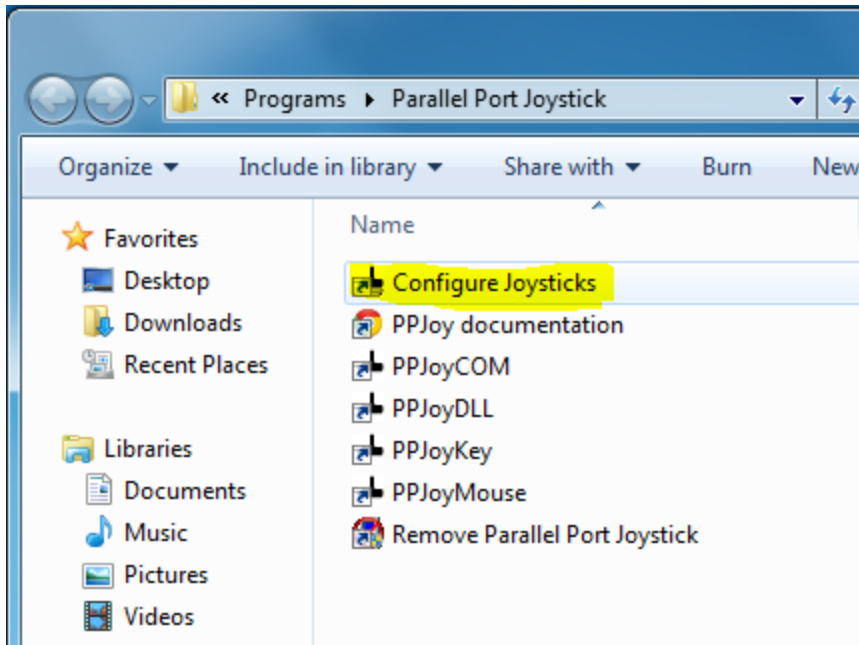This allows for the FLAP switch to work perfectly with the ClearView Simulator.

INSTALL PPJoy

Run Setup.exe

Welcome

Welcome to the Parallel Port Joystick Setup program. This program will install Parallel Port Joystick on your computer.

It is strongly recommended that you exit all Windows programs before running this Setup program.

Click Cancel to quit Setup and then close any programs you have running. Click Next to continue with the Setup program.

WARNING: This program is protected by copyright law and international treaties.

Unauthorized reproduction or distribution of this program, or any portion of it, may result in severe civil and criminal penalties, and will be prosecuted to the maximum extent possible under law.

[< Back] [Next >] [Cancel]

Important Notes

The PPJoy installation must copy INF and Driver files to your Windows directory in order for the product to function.

The drivers shipped with this package are not signed. Windows must be set to allow the installation of unsigned drivers.

To change or verify the Driver Signing settings:

1. Right click on "My Computer" and click on "Properties".
2. Click on the "Hardware" tab in "System Properties".
3. Click on "Driver Signing...".
4. Make sure that "Warn" or "Ignore" is selected.
5. Click on "OK"
6. Click on "OK"

During installation, when you see a warning message stating that "Parallel Port Joystick" or "Parallel Port Joystick Bus" has not passed Windows Logo testing, please click on "Continue Anyway"

[< Back] [Next >] [Cancel]

Choose Destination Location

Setup will install Parallel Port Joystick in the following directory.

To install to this directory, click Next.

To install to a different directory, click Browse and select another directory.

You can choose not to install Parallel Port Joystick, by clicking Cancel to exit Setup.

Destination Directory

C:\Program Files\Parallel Port Joystick   Browse...

Space Required: 2620 K

Space Available: 35092132 K

< Back   Next >   Cancel

Select Program Folder

Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the Existing Folders list. Click Next to continue.

Skip This >

Program Folder:

Parallel Port Joystick

Existing Folders:

7-Zip
Accessories
Administrative Tools
ChessBase
DivX Plus
DVDFab 8 Qt
Flying Model Simulator
Games
Handbrake

< Back   Next >   Cancel

Ready To Install

Setup now has enough information to start installing Parallel Port Joystick.

Click Back to make any changes before continuing. Click Cancel to exit Setup.

< Back   Next >   Cancel

Finished

Setup is complete and Parallel Port Joystick is now installed!

Click Close to end the Setup

< Back   Close   Cancel

Welcome to the Joystick/Pad mapping wizard

The controller you selected uses the Virtual joystick (IOCTL) Virtual joystick interface. The options below will change the default mapping for all controllers that use this interface

- ○ Set a custom mapping for this interface type
- ○ Modify the mapping for this interface type
- ○ Delete mapping for this interface type

The options below allows you to override the default mapping of the PPJoy Virtual joystick 1 controller

- ○ Set a custom mapping for this controller
- ⦿ Modify the mapping for this controller
- ○ Delete mapping for this controller

These options allows you to change the way buttons and axes are mapped for controllers. You can either change the mapping for all controllers on an interface type or for a specific controller only.

| < Back | Next > | Cancel |

Configure mapping for axes

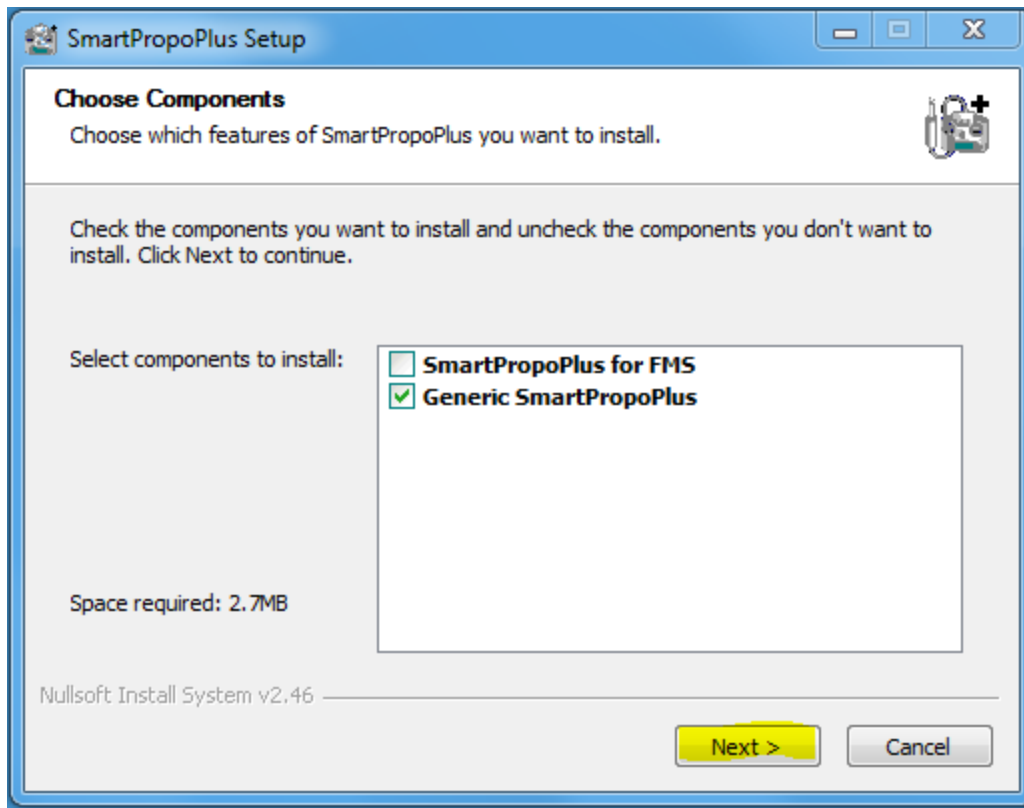|	Min			Max		
X Axis	Analog 0	▼	Scan		▼	Scan
Y Axis	Analog 1	▼	Scan		▼	Scan
Rudder	Analog 2	▼	Scan		▼	Scan
X Rotation	Analog 3	▼	Scan		▼	Scan
Y Rotation	Analog 4	▼	Scan		▼	Scan
Z Rotation	Analog 5	▼	Scan		▼	Scan
	nothing	▼	Scan	nothing	▼	Scan
	nothing	▼	Scan	nothing	▼	Scan

Select the analog or digital values that will be reported as axis movements.

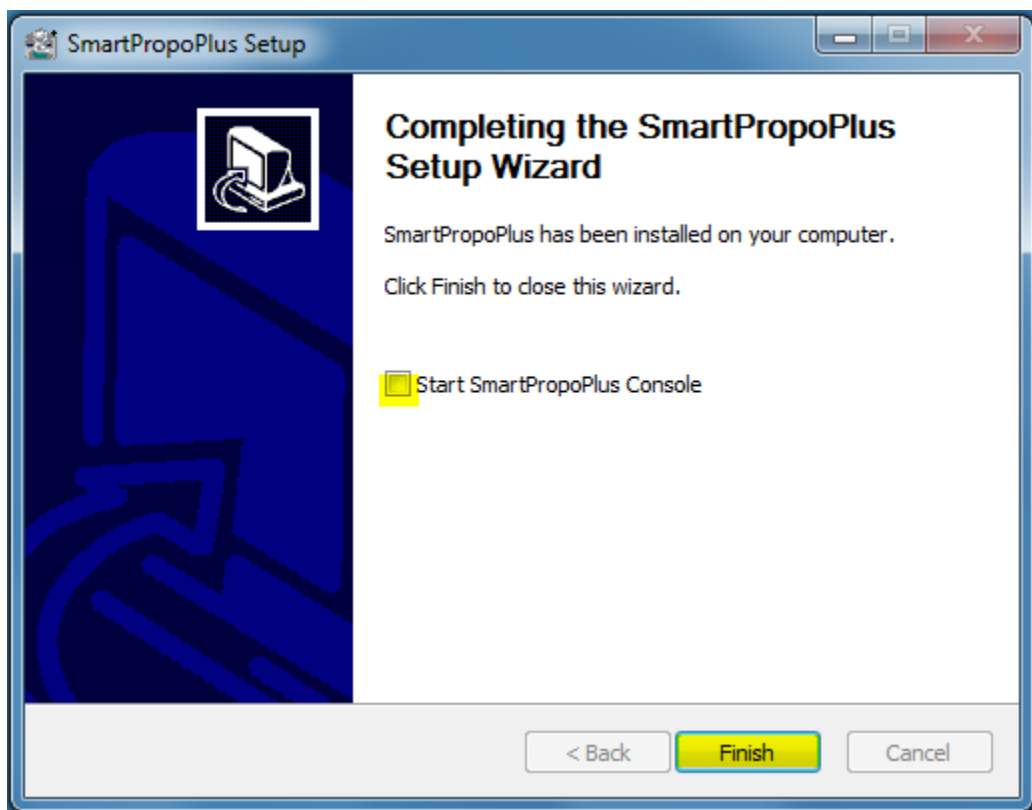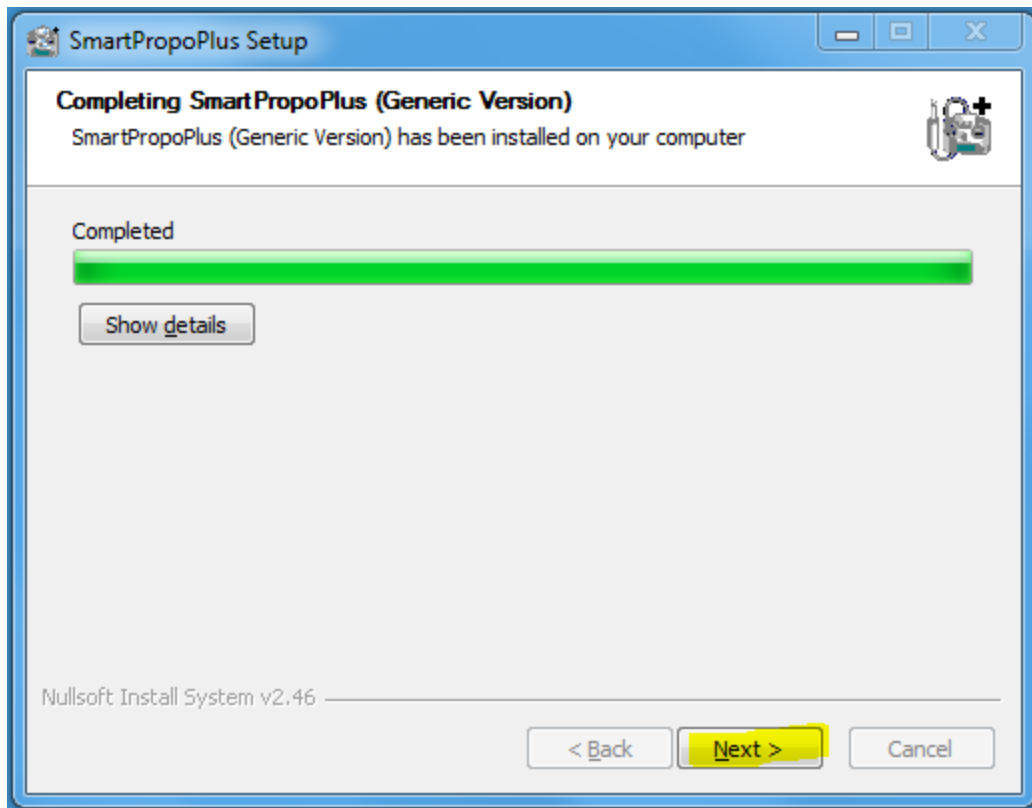You can also click on SCAN next to the corresponding button and then perform the action you want reported as axis movements.

[< Back] [Next >] [Cancel]

The mapping configuration is complete.

Click on FINISH to activate the new mapping or on BACK to change the mapping.
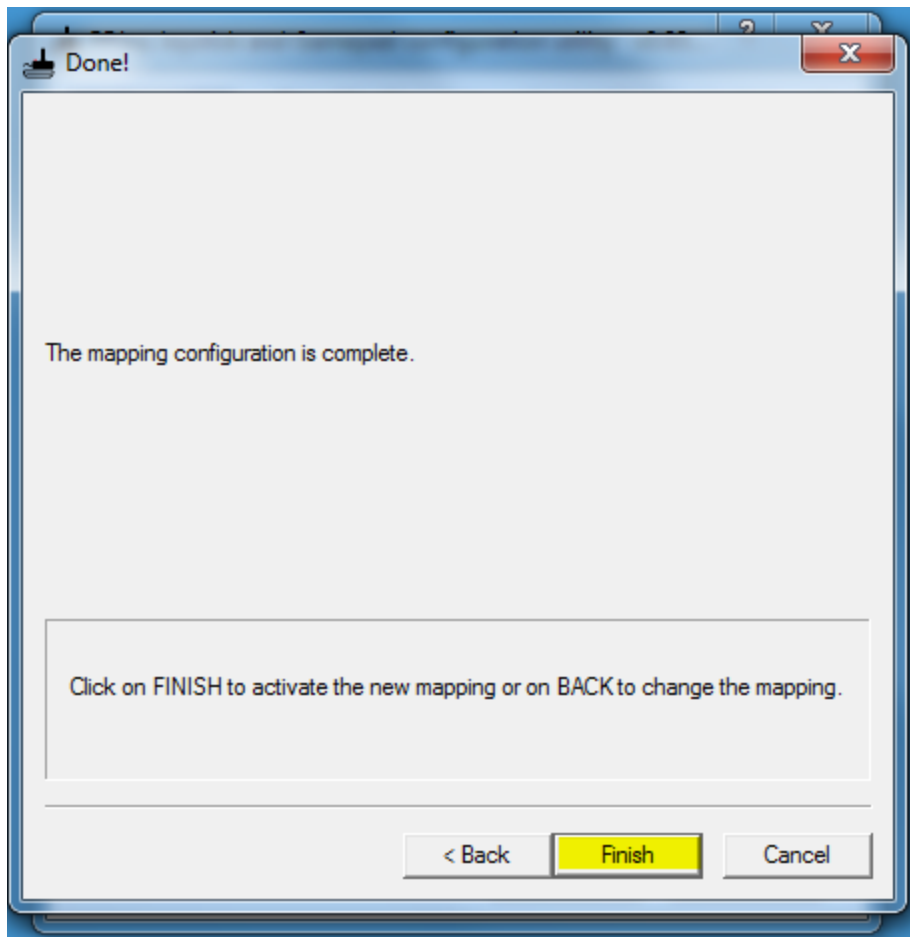
INSTALL SmartPropoPlus

Run Setup.exe

SmartPropoPlus Setup

Choose Components
Choose which features of SmartPropoPlus you want to install.

Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.

Select components to install:
- ☐ **SmartPropoPlus for FMS**
- ☑ **Generic SmartPropoPlus**

Space required: 2.7MB

Nullsoft Install System v2.46

[Next >]   [Cancel]

SmartPropoPlus Setup

Choose Install Location
Choose the folder in which to install SmartPropoPlus.

Setup will install SmartPropoPlus in the following folder. To install in a different folder, click Browse and select another folder. Click Install to start the installation.

Destination Folder
C:\Program Files\SmartPropoPlus   [Browse...]

Space required: 2.7MB
Space available: 33.5GB

Nullsoft Install System v2.46

[< Back]   [Install]   [Cancel]

CONFIGURE SOFTWARE

1. Start with your DX6i turned **OFF**. Make sure that both the **GEAR** and **FLAP** switch are set to **0**. Then plug 1st end of the Audio cable into **Audio-In** on your PC and the 2nd end into the back of the Remote where it says **Trainer**. Your remote should power on automatically.

2. Launch SppConsole from desktop and check the following highlighted boxes and then click **Hide**
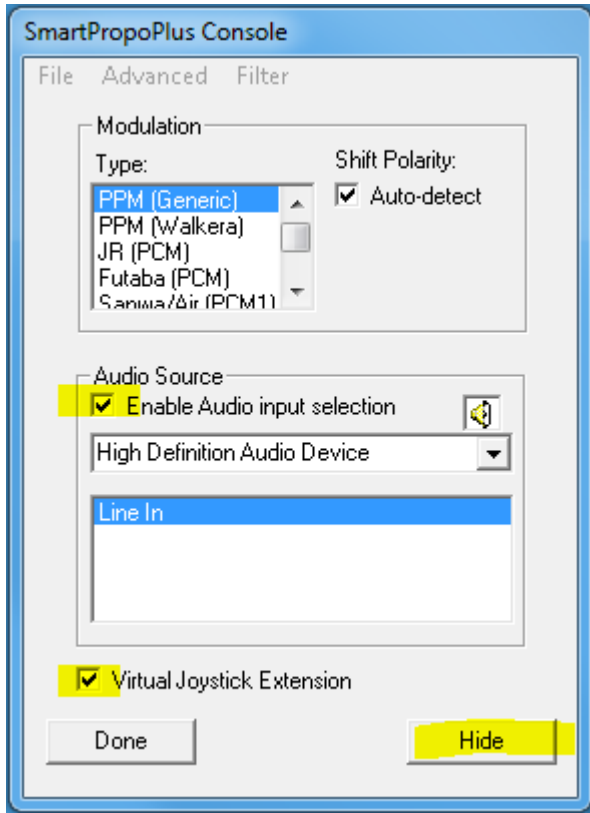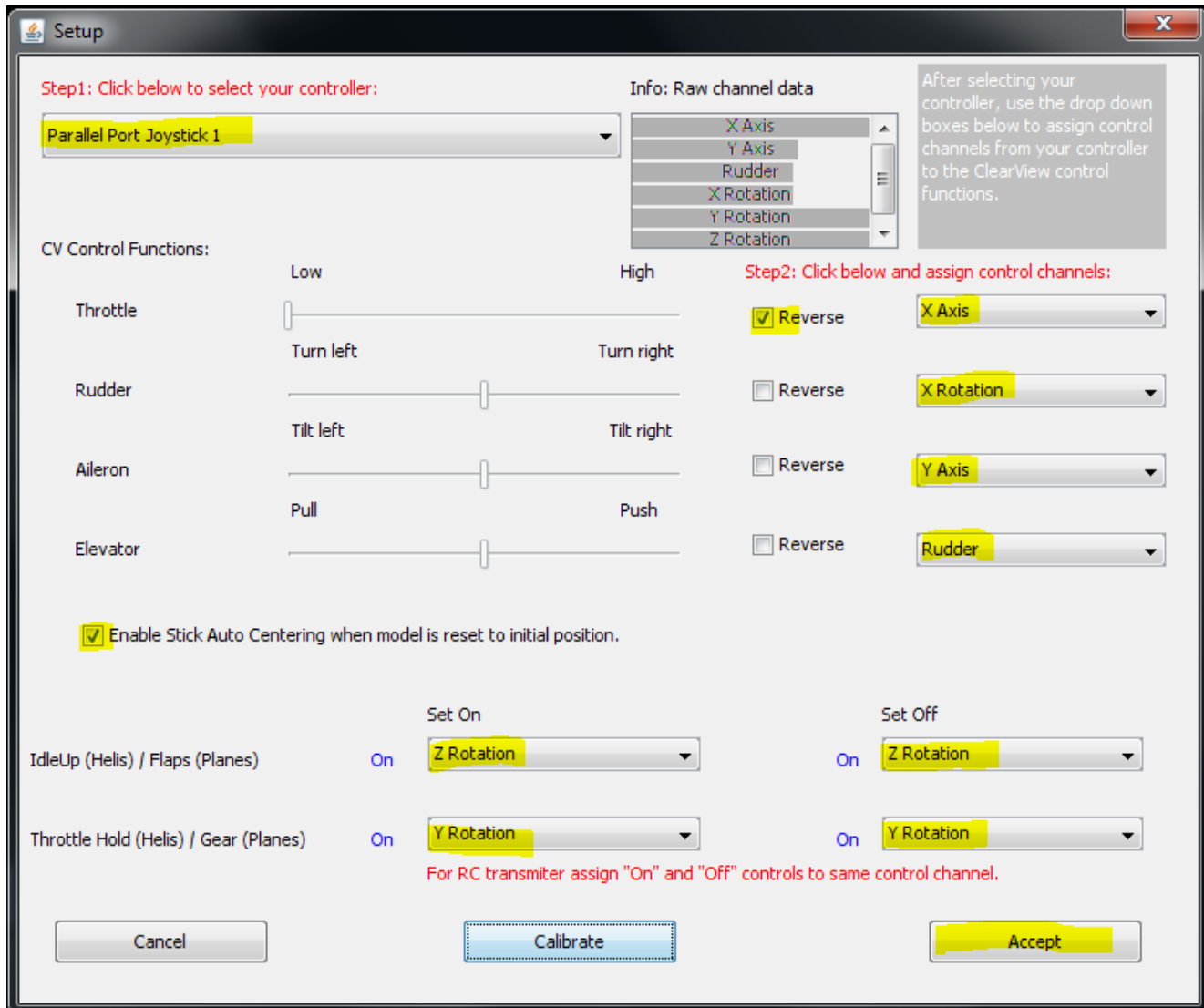

3. Launch ClearView then click Setting < Controller Setup. Change your Controller to Parallel Port Joy Stick
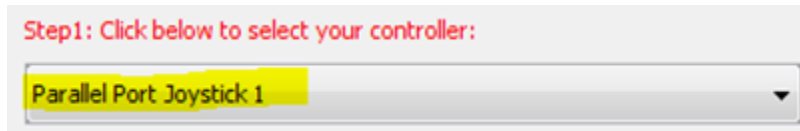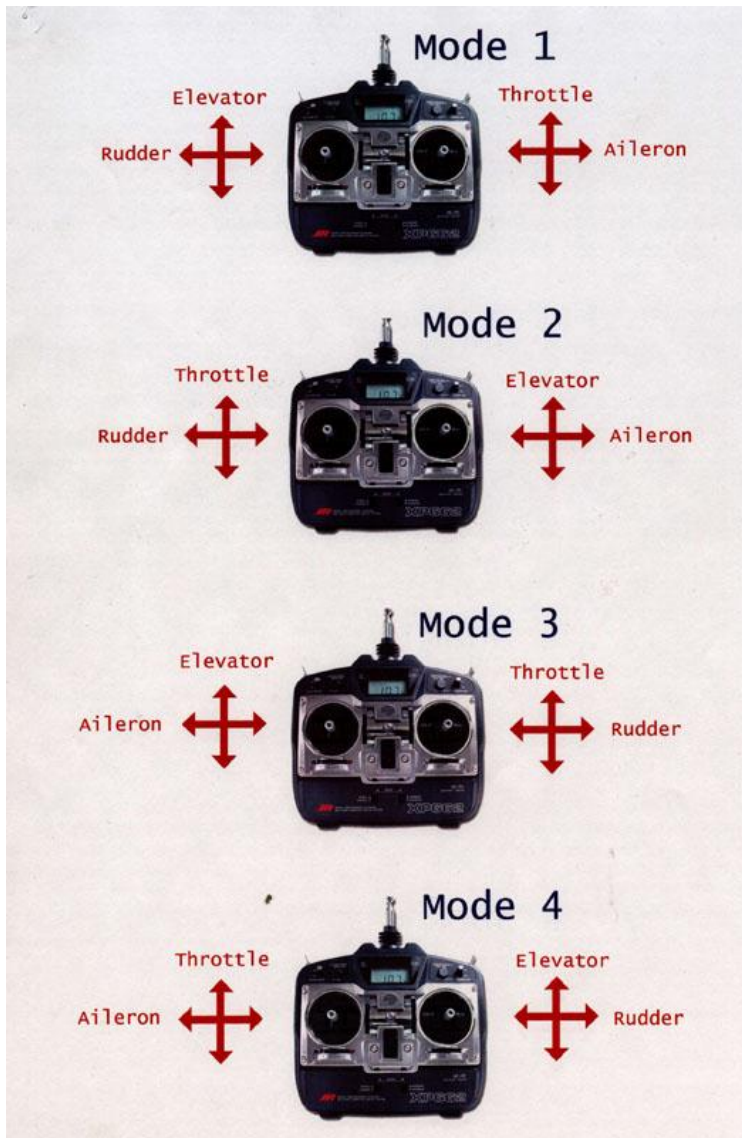
4. Next click on **Calibrate** and follow the instructions on screen
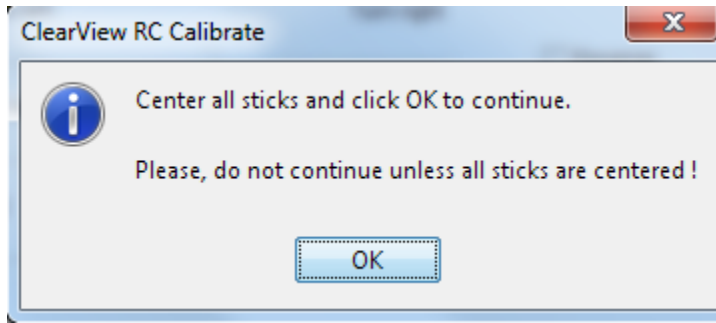
5. Configure your settings per the following for Mode 2

6. If you have a different Mode Remote check the settings per this image

STARTING APPLICATION

1. Start with Remote **OFF**
2. Plug in Audio Cable to Audio-In on PC and then to back of Remote to Trainer Port
3. Launch SppConsole and click Hide
4. Launch Simulator and have fun

STOPING APPLICATION

1. Stop Simulator
2. Close SppConsole will be in System Tray
3. Disconnect Audio Cable from Remote